

SOME TYPE DESIGNATIONS IN HELICES AND  
FERUSSACIDAE

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My attention has been called to certain type designations which affect the nomenclature of several groups ranked as subgenera of *Pleurodonte* in my volume on helicid classification (Manual of Conchology IX). This volume was written a long time ago (1894), before the present rules for type fixation were formulated, and when the best authorities clung to the fallacious method of arriving at a type by "elimination". Hence changes from this source, as well as from the finding of forgotten names, are not surprising. I am indebted to Dr. H. Burrington Baker and Dr. Witmer Stone for suggestions bearing on the nomenclature considered.

PLEURODONTE F. de Waldh., 1808. Type *Helix lychnuchus* Müll., designated by Herrmannsen Ind. Gen. Malac. II, p. 297. It will thus pertain to the Section called *Caprinus* Montf., 1810, of Man. Conch., vol. 9, p. 90. *Lucernella* Swainson, 1840, p. 330, mt. *L. hippocastaneum*, is a synonym.

CAROCOLLA Schumacher, 1817, Essai, pp. 59, 192. Type here designated *C. gualtieriana* (*Helix gualtieriana* L.). The name becomes a synonym of *Iberus* Denys de Montf., 1810.

DENTELLARIA Schumacher, 1817, Essai, pp. 69, 230, is virtually monotypic; his first species, *D. globularis* was not defined, leaving the type *D. sinuata* (= *Helix sinuata* Müller). *Lucerna* Swainson, 1840, tsd. *Helix acutissima* Lam., Herrmannsen, I: 628, is a synonym, or at least, based on a species of the same group.

*Leiostoma* Swainson, 1840, Malac., p. 328, (*Helix jamaicensis* here designated type), is a homonym of *Leiostoma* Swainson t. c., p. 308, mt. *L. bulbiformis* (= *Fusus bulbiformis* Lam.).

DISCODOMA Swainson, 1840, p. 329. Type here designated *D. albilabris* (= *Carocolla albilabris* Lam.). Herrmannsen (I:394) named *Helix lampas* Müller as type. This name is not contained in Swainson's list, therefore it cannot be the

type, although the species *D. gigas* Swainson has been recognized as identical with *H. lampas*, being based on figures which have been referred to that species.

THELIDOMUS Swainson, 1840, pp. 191, 192, 194, 330 (not pp. 228, 353). The only species Swainson mentioned by name is "*T. (Helix) striolata* Guild." (p. 330), which was never described by Guilding, and was not defined until 1848, by being placed in the synonymy of *Helix incerta* Fér. by Pfeiffer (Mon. Hel. I, 266). However, Swainson added after *striolata* Guild. "also Fér. Moll. 44, f. 1-4". These figures represent *Helix aspera* Fér., which, it appears, will have to be taken as type of *Thelidomus*.

Herrmannsen (II: 571-2) restricted *Thelidomus* to the neuropterid larva case figured by Swainson, and thought that the use of that name by Swainson on the pages first cited above was an error for *Thelidonta* (which Swainson mentions only once, on page 194, without any species or definition). This opinion of Herrmannsen's may or may not be correct, being incapable of proof. He cited *Helix aspera* Fér. as the type of *Thelidonta* (+*Thelidomus*).

*Thelodomus* and *Thelodonta* Herrmannsen and *Thelydomus* Agassiz are suggested emendations of Swainson's names.

It may be mentioned here that *Hemicycla* Swainson, commented on without mention of any species on page 193, is stated by Swainson in his Errata to equal *Polygyra*. This might also be inferred from his remarks. He used *Hemicycla* in another sense on page 331, and since a type is named there, this second use of the name will have precedence, as the date is the same, 1840. *Cyclodoma* Swains., p. 193, may be presumed from his remarks to be *Daedalochila* or *Triodopsis*, at least mainly. He mentioned no species or type, and abandoned the name later.

The practical effect of these type fixations will be as follows:

*Pleurodonte* s. str. will stand for the group I called *Caprinus* in Man. Conch. IX, p. 90.

*Dentellaria* will replace *Pleurodonte* (Man. Conch. IX, p. 87) as a subgeneric name for the Jamaican group.

*Thelidomus* will replace *Dendrocochlis* Pils. for the Jamaican group of *Helix aspera* and *H. cognata* Fér.

*Granodomus*, type *Helix lima* Fér., is a new subgenus for the Porto Rican and Virgin Island species formerly placed in *Thelidomus*; for definition see Man. Conch. IX, p. 96, under *Thelidomus*.

The other cases are believed to affect synonymic references only.

The type of *Macrospira* Swainson (1840, Malacology, p. 171, 335). Dr. H. Burrington Baker has called my attention to the fact that no type has been selected for this group. Swainson attributed the name to Guilding, but it was never described by that author. Two species were included, thus: "*M. octona* (*Helix octona* Auct.) *aperta* Guild (fig. 97, *e, f*)."  
*Helix octona* Gmelin, which seems to be what Swainson intended, has as first reference Müller's *Buccinum acicula*. As a var. B he gave a reference to Chemnitz's figure of *Subulina octona*. Swainson evidently intended the first, and *M. octona* (= *Cecilioides acicula* Müll.) is here named as type of *Macrospira*. *M. aperta* Guilding has been defined only by Swainson's poor figures; in the absence of dimensions or locality I have considered these figures to be insufficiently diagnostic of the well-known *C. gundlachi* (Pfr.), although E. A. Smith in 1895 found specimens labelled *M. aperta* from Guilding in the British Museum, which are identical with *C. gundlachi*.

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#### PUBLICATIONS RECEIVED

CEPHALOPODS OF THE GENUS *ATURIA* FROM WESTERN NORTH AMERICA. By Hubert G. Schenck. (Univ. Calif. Pub. Bull. Dept. Geol. Sci., vol. 19, pp. 435-490, pls. 66-78, 1931.) A most interesting account of this group of Nautiloid shells. Some 38 species and varieties of the cosmopolitan genus have been named from formations ranging from the